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## (54) PRODUCTION OF EXHAUST GAS CLEANING CATALYST AND OBTAINED CATALYST

## (57)Abstract:

PROBLEM TO BE SOLVED: To prevent the lowering of exhaust gas cleaning efficiency, especially, the lowering of NO<sub>x</sub> occluding quantity by using a single metal or composite metal colloid to which a catalytic metal is bonded by a chelating agent to support the same on a particulate porous carrier and further supporting an element such as an alkali metal or the like, on the carrier.

SOLUTION: Single metal or composite metal colloid to which a catalytic element is bonded by a chelating agent is prepared. That is, the chelating agent and a catalytic metal compd. are dissolved in and mixed with water and alcohol is added to the formed aq. soln. The resulting soln. is refluxed and filtered to be conc. until a target concn. is obtained. Next, the obtained single metal or composite metal colloid is supported on a porous carrier by a method wherein the carrier and the obtained metal colloid are stirred in the aq. soln. to adsorb and support the metal colloid on the carrier.

Next, the supporting treatment of an element such as an alkali metal, or the like, is performed by adding a compound containing the element such as the alkali metal, or the like, to the aq. soln. after the supporting treatment of the single metal or composite metal colloid is completed.

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